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Attorney's Docket No.: 17084-004016/24601-4020

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gyula Hadlaczky, et. al      Art Unit : 1632  
Serial No. : 10/782,129      Examiner : Unknown  
Filed : February 18, 2004      Confirmation No.: 5795/Customer No.: 20985  
Title : ARTIFICIAL CHROMOSOMES, USES THEREOF AND METHODS FOR  
PREPARING ARTIFICIAL CHROMOSOMES

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

Dear Sir:

Transmitted herewith are an Information Disclosure Statement, Forms PTO-1449 (31 pages), and some of the cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a first office action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 06-1050, as stated below:

- ☒ The Commissioner is hereby authorized to charge any fees that may be due in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

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Stephanie L. Seidman  
Reg. No. 33,779

Attorney Docket No. 17084-004016 (24601-4020)  
**Address all correspondence to:**  
Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-5070  
Facsimile: (202) 626-7796  
email: seidman@fr.com

CERTIFICATE OF MAILING BY "EXPRESS MAIL"  
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Date of Deposit May 21, 2004  
I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

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Stephanie L. Seidman



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**INFORMATION DISCLOSURE STATEMENT**  
**IN ACCORDANCE WITH 37 C.F.R. 1.97-1.98**

Dear Sir:

Because this Information Disclosure Statement is filed before the receipt of a First Office Action on the Merits for the above-captioned application a fee is not required. If no proper payment is enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (31 pages) and hard copies of the references marked with a double asterisk \*\*, in the "Examiner Initial" column, are provided herewith in connection with the above-captioned application. In accordance with 37 C.F.R. §1.98(d), copies of the references listed on the Form PTO-1449, not marked with double asterisk, are not provided herewith as they have been previously provided in connection with U.S. Serial Nos. 09/096,648 and 08/629,822, which are relied upon for an earlier filing date in accordance with 35 U.S.C. §120.

The documents cited on the Forms PTO-1449 are in the English language with the exception of Items BZ, CB, and CW. Items BZ, CB, and CW (European Patent

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I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie L. Serdman

Applications EP0240373, EP0254315 and PCT Patent Publication WO 94/24300 respectively) are in the French language and were previously supplied with English language Derwent abstracts (Item No. EG, EH, and FZ respectively). Hence, in accordance with the requirements of 37 C.F.R. 1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Applicant also makes known to the Examiner the following U.S. and International applications, which are commonly owned and/or have one or more inventors in common.

<b>Serial No.</b>	<b>Filing</b>	<b>DateDocket No.</b>
09/096,648	06/12/98	24601-402A
09/724,726	11/28/00	24601-402E
09/724,872	11/28/00	24601-402F
09/724,693	11/28/00	24601-402G
09/799,462	04/17/01	24601-402H
09/815,979	03/22/01	24601-402I
10/125,767	04/17/02	24601-402J
10/151,078	05/16/02	24601-402K
10/151,081	05/16/02	24601-402L
10/219,694	08/14/02	24601-402M
10/808,689	03/24/04	24601-402P
09/815,979	03/22/01	24601-416
09/815,981	03/22/01	24601-416B
10/086,745	02/28/02	24601-416C
10/235,119	09/03/02	24601-416D
10/161,408	05/30/02	24601-419
10/161,403	05/30/02	24601-420
60/377,547	05/01/02	24601-P426
PCT/US02/09262	03/22/02	24601-416PC
PCT/US02/17451	05/30/02	24601-419PC
PCT/US02/17452	05/30/02	24601-420PC

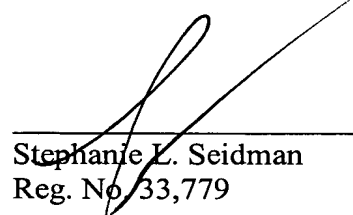
Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R 1.56(b) exists.

Applicant : Gyula Hadlaczky, et. al  
Serial No. : 10/782,129  
Filed : February 18, 2004  
Information Disclosure Statement  
Page : 3 of 3

Attorney's Docket No.: 17084-004016/24601-402O

Applicant respectfully requests that the Examiner review the foregoing references and that they be made of record in the file history of the above-captioned application

Respectfully submitted,



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Stephanie L. Seidman  
Reg. No. 33,779

Attorney Docket No. 17084-004016 (24601-402O)

**Address all correspondence to:**

Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-5070  
Facsimile: (202) 626-7796  
email: seidman@fr.com

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
17084-004016Application No.  
10/782,129List of Patents and Publications for Applicant's  
Information Disclosure Statement

(37 CFR §1.98(b))

Applicant  
Gyula Hadlaczky, et. alFiling Date  
February 18, 2004Group Art Unit  
1632

## U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A	4,441,972	4/10/84	Pohl	204	180	4/8/83
	B	4,476,004	10/09/84	Pohl	204	299	10/26/83
	C	4,518,584	5/21/85	Mark et al.	424	85	12/20/83
	D	4,608,339	8/2686	Yoakum et al.	435	172.2	10/25/83
**	E	4,656,134	04/07/87	Ringold	435	91	04/12/85
	F	4,684,611	8/4/87	Schilperoort et al.	435	172.3	7/29/85
	G	4,686,186	8/11/87	Sugden	435	243	9/26/84
	H	4,736,866	04/12/88	Leder et al.	800	1	06/22/84
	I	4,784,737	11/15/88	Ray et al.	204	180.1	04/18/86
	J	4,801,540	01/31/89	Hiatt et al.	435	172.3	01/02/87
	K	4,806,476	02/21/89	Coons et al.	435	172.2	08/13/85
	L	4,873,191	10/10/89	Wagner et al.	435	172.3	08/18/86
	M	4,873,316	10/10/89	Meade, et al.	530	412	06/23/87
	N	4,906,576	03/06/90	Marshall, III	435	287	05/08/87
	O	4,923,814	05/08/90	Marshall, III	435	173	04/26/89
	P	4,935,350	06/19/90	Patel et al.	435	69.4	11/18/85
	Q	4,946,952	080/7/90	Kiefer	536	27	04/01/88
	R	4,955,378	9/11/90	Grasso	128	421	01/17/89
	S	4,970,162	11/13/90	Aksamit	435	240.26	11/13/85
	T	4,997,764	03/05/91	Dalla Favera	435	240.27	04/23/87
**	U	5,081,018	01/14/92	Grummt et al.	435	69.1	02/13/91
	V	5,019,034	05/28/91	Weaver et al.	604	20	03/20/89
	W	5,021,344	06/04/91	Armau et al.	435	172.3	08/30/85
	X	5,063,162	11/05/91	Kiefer	435	270	05/09/90
	Y	5,118,620	06/02/92	Armau et al.	435	172.3	03/01/91

Examiner Signature

Date Considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17084-004016	Application No. 10/782,129
<b>List of Patents and Publications for Applicant's Information Disclosure Statement</b>  (37 CFR §1.98(b))		Applicant Gyula Hadlaczky, et. al	
		Filing Date February 18, 2004	Group Art Unit 1632

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	Z	5,144,019	9/1/92	Rossi et al.	536	27	6/21/89
	AA	5,149,796	9/22/92	Rossi et al.	536	27	4/30/91
	AB	5,162,215	11/10/92	Bosselman et al.	435	172.3	9/22/88
	AC	5,215,914	6/1/93	Lo et al.	435	253.1	12/2/91
	AD	5,223,263	6/29/93	Hostetler et al.	424	4450	6/28/89
	AE	5,240,840	8/31/93	Feinberg et al.	435	172.3	4/5/91
	AF	5,240,846	8/31/93	Collins et al.	435	240.1	9/18/90
	AG	5,260,191	11/9/93	Yang	435	6	1/30/92
	AH	5,266,600	11/30/93	Tenmyo et al.	514	691	10/30/92
	AI	5,272,262	12/21/93	Rossi et al.	536	23.2	10/19/90
	AJ	5,288,625	2/22/94	Hadlaczky	435	172.2	9/13/91
	AK	5,292,658	3/8/94	Cormier et al.	435	252.33	6/17/93
	AL	5,298,429	3/29/94	Evans et al.	436	501	12/10/91
	AM	5,300,431	04/05/94	Pierce et al.	435	172.3	02/26/91
	AN	5,324,655	6/28/94	Kriegler et al.	435	240.2	2/18/92
	AO	5,354,674	10/11/94	Hodgson	435	172.3	10/29/92
	AP	5,358,866	10/25/94	Mullen et al.	435	240.2	7/3/91
	AQ	5,364,761	11/15/94	Ariga	435	6	11/5/92
	AR	5,387,742	02/07/95	Cordell	800	2	06/17/91
	AS	5,396,767	3/14/95	Suzuki	60	298	2/8/93
	AT	5,409,810	4/25/95	Larder et al.	435	5	12/1/92
	AU	5,413,914	5/9/95	Franzusoff	435	23	7/7/93
	AV	5,418,155	5/23/95	Cormier et al.	435	189	12/14/93
	AW	5,424,409	6/13/95	Ely et al.	536	23.71	9/29/89
	AX	5,434,086	7/18/95	Collins et al.	436	125	12/9/93

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	AY	5,434,340	07/18/95	Krimpenfort et al.	800	2	07/27/92
	AZ	5,436,392	7/25/95	Thomas et al.	800	205	12/21/92
	BA	5,449,604	9/12/95	Schellenberg et al.	435	6	10/21/92
	BB	5,453,357	9/26/95	Hogan	435	7.21	10/8/92
	BC	5,457,182	10/10/95	Weiderrecht et al.	530	402	02/15/94
	BD	5,461,032	10/24/95	Krapcho et al.	514	12	3/18/94
	BE	5,468,615	11/21/95	Chio et al.	435	7.2	7/1/93
	BF	5,468,634	11/21/95	Liu	435	240.2	1/13/95
	BG	5,470,708	11/28/95	Yang et al.	435	6	4/2/93
	BH	5,470,730	11/28/95	Greenberg et al.	435	172.3	8/8/94
	BI	5,482,928	1/9/96	De Bolle et al.	514	12	3/10/92
	BJ	5,489,520	2/6/96	Adams et al.	435	172.3	4/26/94
	BK	5,491,075	2/13/96	Desnick et al.	435	69.7	6/17/94
	BL	5,491,283	02/13/96	Groffen et al.	800	2	01/14/93
	BM	5,496,731	3/5/96	Xu et al.	435	320.1	3/25/93
	BN	5,501,662	3/26/96	Hofmann	604	20	9/12/94
	BO	5,501,967	3/26/96	Offringa et al.	435	172.3	7/6/93
	BP	5,503,999	4/2/96	Jilka et al.	435	172.3	1/3/95
	BQ	5,543,319	08/06/96	Fournier et al.	415	354	03/31/95
	BR	5,712,134	01/27/98	Hadlaczky	435	172.2	01/19/95
	BS	5,721,118	02/24/98	Scheffler	435	69.1	10/29/96
	BT	5,721,367	02/24/98	Kay et al.	800	2	06/05/95
	BU	5,891,691	04/06/99	Hadlaczky	435	172.3	10/21/96
	BV	6,025,155	02/15/00	Hadlackzky et al.	435	69.1	08/07/96
	BW	6,077,697	06/20/00	Hadlackzky et al.	435	172.3	07/15/96

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17084-004016	Application No. 10/782,129
<b>List of Patents and Publications for Applicant's Information Disclosure Statement</b>  (37 CFR §1.98(b))		Applicant Gyula Hadlaczky, et. al	
		Filing Date February 18, 2004	Group Art Unit 1632

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BX	6,133,503	10/17/00	Scheffler	800	21	02/17/98

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	BY	0 208 491	01/14/87	A2				
	BZ	0 240 373	10/7/87	EP			X*	
	CA	0 247 494	12/02/87	A2				
	CB	0 254 315	1/17/88	EP A2, A3			X*	
	CC	0 254 315	1/27/88	EP B1				
	CD	0 264 166	04/20/88	A1				
	CE	0 279 582	08/24/88	A2				
	CF	0 350 052	01/10/90	EP				
	CG	0 375 406	06/27/90	EP A2				
	CH	0 473 253	03/04/92	EP				
	CI	0 532 050	9/14/92	EP A2				
	CJ	0 838 526	04/29/98	EPO				
	CK	82/04443	12/23/82	PCT				
	CL	88/00239	01/14/88	PCT				
	CM	88/01648	03/10/88	PCT				
	CN	89/09219	10/05/89	PCT				
	CO	91/00358	01/10/91	PCT				
	CP	91/05044	04/18/91	PCT				
	CQ	92/07080	04/30/92	PCT				
	CR	92/14819	09/03/92	PCT				
	CS	92/17582	10/15/92	PCT				
	CT	93/25567	12/23/93	PCT				

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	CU	94/19456	09/01/94	PCT				
	CV	94/23049	10/13/94	PCT				
	CW	94/24300	10/27/94	PCT				X*
	CX	95/00178	01/05/95	PCT				
	CY	95/14769	06/01/95	PCT				
	CZ	95/20044	07/27/95	PCT				
	DA	95/22297	11/30/95	PCT				
	DB	95/29992	11/9/95	PCT				
	DC	95/32297	11/30/95	PCT				
	DD	96/40965	12/19/96	PCT				
	DE	97/07668	03/06/97	PCT				
	DF	97/07669	03/06/97	PCT				
	DG	97/16533	05/09/97	PCT				
	DH	97/40183	10/30/97	PCT				
	DI	98/08964	03/05/98	PCT				
**	DJ	98/13505	04/04/98	PCT				

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	DK	Albertsen <i>et al.</i> , "Construction and characterization of a yeast artificial chromosome library containing seven haploid human genome equivalents", <i>PNAS</i> , <u>87</u> :4256-42-60 (2000)
	DL	Albrecht, <i>et al.</i> , "Cationic lipide mediated tranfer of c-abl and bcr antisense oligonucleotides to immature normal myeloid cells: Uptake, biological effects and modulation of gene expression", <i>Ann Hematol</i> 72:73-79, (1996).
**	DM	Ascenzioni et al., "Mammalian artifical chromosomes-vectors for somatic gene therapy," <i>Cancer Letters</i> 118:135-142 (1997)
**	DN	Asahara et al., "Stem cell therapy and gene transfer for regeneration," <i>Gene Therapy</i> 7:451-457 (2000)

Examiner Signature

Date Considered

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Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Initial	Desig. ID	Document			
**	DO	Avramova et al., "Heterochromatin in Animals and Plants," <i>Plant Physiology</i> 129:40-49 (2000)			
	DP	Baker et al., Suppression of human colorectal carcinoma cell growth by wild-type p53, <i>Science</i> 249:912-915 (1990)			
	DQ	Barnett et al., Telomere directed fragmentation of mammalian chromosomes, <i>Nucleic Acids Res.</i> 21 (1): 27-36 (1993)			
	DR	Bartholdi, et al., Chromosome sorting by flow cytometry, <i>Meth. Enzy.</i> , 151:253-267, 1987			
	DS	Beck von Bodman, et al, "Expression of multiple eukaryotic cells from a single promoter," in <i>Nicotina, Bio/Technology</i> 13:587-591, (1995).			
	DT	Berlani et al., "Genomic organization of two families of highly repeated nuclear DNA sequences of maize selected for autonomous replicating activity in yeast", <i>Plant Molecular Biol.</i> , 11:161-172 (1988)			
	DU	Berlani et al., "Sequence analysis of three fragments of maize nuclear DNA which replicate autonomously in yeast", <i>Plant Molecular Biol.</i> , 11:173-182 (1988)			
	DV	Biggin et al., Buffer gradient gels and <sup>35</sup> S label as an aid to rapid DNA sequence determination, <i>Proc. Natl. Acad. Sci. USA</i> , 80:3963-3965 (1983)			
**	DW	<i>Biochemistry &amp; Molecular Biology of Plants</i> , Bob B. Buchanan, Wilhelm Gruissem, Russell L. Jones Rockville, Md. : American Society of Plant Physiologists, c2000 pp.324-325			
	DX	Blackburn et al. The molecular structure of centromeres and telomeres, <i>Ann. Rev. Biochem.</i> , 53:163-194 (1984)			
	DY	Blackburn et al., BOOK: <u>Telomeres</u> , Chapter 13, "Plant Telomeres", Cold Spring Harbor Laboratory Press, pp. 371-387 (1995)			
	DZ	Blattner et al., Charon phages: Safer derivatives of bacteriophage lambda for DNA cloning, <i>Science</i> 196:16 (1977)			
	EA	Blennow, et al., Swedish survey on extra structurally abnormal chromosomes in 39 105 consecutive prenatal diagnoses: Prevalence and characterization by fluorescence <i>in situ</i> hybridization, <i>Prenatal Diagnosis</i> , 14:1019-1028, 1994			
	EB	Blumenthal, et al., Rapid isolation of metaphase chromosome containing high molecular weight DNA, <i>J. Cell Biol.</i> , 81:255-259, 1979			
	EC	Bostock and Christie, Analysis of the frequency of sister chromatid exchange in different regions of chromosomes of the Kangaroo rat ( <i>Dipodomys ordii</i> ), <i>Chromosoma</i> 56: 275-287 (1976)			
Examiner Signature			Date Considered		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

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		Filing Date February 18, 2004	Group Art Unit 1632

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	ED	Bostock and Clark, Satellite DNA in large marker chromosomes of methotrexate-resistant mouse cells, <i>Cell</i> 19: 709-715 (1980)
	EE	Bower, Constructing a fully defined human minichromosome: Cloning a centromere, <i>Proc. 4th Eur. Congress Biotechnol.</i> 3:571 (1987)
	EF	Brazolot, <i>et al.</i> , "Efficient transfection of chicken cells by lipofection and introduction of transfected blastoderm cells into the embryo", <i>Mol. Repro. Dev.</i> 30:304-312, (1993).
	EG	Brewer and Fangman, The localization of replication origins on ARS plasmids in <i>S. cerevisiae</i> , <i>Cell</i> 51: 463-471 (1987)
	EH	Brinster <i>et al.</i> , Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs, <i>Proc. Natl. Acad. Sci. USA</i> 82:4438-4442 (1985).
	EI	Brisson and Hohn, [27] Plant virus vectors: Cauliflower mosaic vectors, <i>Methods for Plant Molecular Biology</i> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 437-446 (1988)
	EJ	Brondum-Nielsen and Mikkelsen, A 10-year survey, 1980-1990, of prenatally diagnosed small supernumerary marker chromosomes, indentified by fish analysis. Outcome and follow-up of 14 cases diagnosed in a series of 12 699 prenatal samples, <i>Prenatal Diagnosis</i> , 15:615-619, 1995
	EK	Brown <i>et al.</i> , "Artificial Chromosomes: Ideal Vectors?", <i>Trends in Biotechnology</i> , 18:218-223 (2000)
	EL	Brown <i>et al.</i> , "Mammalian artificial chromosomes," <i>Curr. Opin. Genet. Devt.</i> 6(3): 281-288 (1996)
**	EM	Brown, "Mammalian artificial chromosomes," <i>Current Opinion in Genetics and Development</i> 2:479-486 (1992)
	EN	Bühler <i>et al.</i> , Rabbit $\beta$ -Casein Promoter Directs Secretion of Human Interleukin-2 into the Milk of Transgenic Rabbits, <i>Bio/Technology</i> 8:140-143 (1990).
	EO	Bullock and Botchan, Molecular events in the excision of SV40 DNA from the chromosomes of cultured mammalian cells. In: <i>Gene Amplification.</i> , Schimke RT, ed. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press, pp 215-224 (1982)
	EP	Burhans and Huberman, DNA replication origins in animal cells - a question of context? <i>Science</i> 263: 639-640 (1994)
	EQ	Burhans <i>et al.</i> , Identification of an origin of bidirectional DNA replication in mammalian chromosomes, <i>Cell</i> 62: 955-965 (1990)

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	ER	Burke <i>et al.</i> , Cloning of large segments of exogenous DNA into yeast by means of artificial chromosome vectors, <i>Science</i> , 236:806-812 (1987)			
	ES	Burki, <i>et al.</i> , Zonal fractionation of mammalian metaphase chromosomes and determination of their DNA content, <i>Prep. Bioch.</i> , 3(2):157-182, 1973			
	ET	Carine <i>et al.</i> , Chinese hamster cells with a minichromosome containing centromere region of human chromosome 1, <i>Somatic Cell Molec. Genet.</i> 12:479-491 (1986)			
	EU	Carine <i>et al.</i> , Molecular characterization of human minichromosomes with centromere from chromosome 1 in hamster-human hybrids, <i>Somatic Cell Molec. Genet.</i> 15(5):445-460 (1989)			
	EV	Carrano and Wolff, Distribution of sister chromatid exchanges in the euchromatin and heterochromatin of the Indian muntjac, <i>Chromosoma</i> 53: 361-369 (1975)			
	EW	Carrano, <i>et al.</i> , Measurement and purification of human chromosomes by flow cytometry and sorting, <i>Proc. Natl. Acad. Sci. USA</i> , 76(3):1382-1384, 1979			
	EX	Carsience, <i>et al.</i> , "Germline chimeric chickens from dispersed donor blastodermal cells and compromised recipient embryos", <i>Develop</i> 117:669-675, (1993).			
	EY	Chalfie <i>et al.</i> , Green fluorescent protein as a marker for gene expression, <i>Science</i> 263:802-804 (1994)			
	EZ	Chang <i>et al.</i> , Ribozyme-mediated site-specific cleavage of the HIV-1 genome, <i>Clin. Biotech.</i> 2:23-31 (1990)			
	FA	Chen <i>et al.</i> , Genetic mechanism of tumor suppression by the human p53 gene, <i>Science</i> 250:1576 (1990)			
	FB	Chen <i>et al.</i> , High-efficiency transformation of mammalian cells by plasmid DNA, <i>Mol. Cell. Biol.</i> 7:2745-2752 (1987)			
	FC	Chick, <i>et al.</i> , "Beta cell culture on synthetic capillaries: an artificial endocrine pancreas", Elliot P. Joslin Research Laboratory, Harvard Medical School, p. 847-849, (1975).			
	FD	Chikashige <i>et al.</i> , Composite motifs and repeat symmetry in <i>S. pombe</i> centromeres: Direct analysis by integration of NotI restriction sites, <i>Cell</i> 57:739-751 (1989)			
	FE	Chisari <i>et al.</i> , A transgenic mouse model of the chronic hepatitis B surface antigen carrier state, <i>Science</i> 230: 1157-1160 (1985).			
**	FF	Christman et al., "Amplification of expression of hepatitis B surface antigen in 3T3 cells cotransfected with a dominant-acting gene and clones viral DNA," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 79:1815-1819 (1982)			
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	FG	Church, Replication of chromatin in mouse mammary epithelial cells grown <i>in vitro</i> , <i>Genetics</i> 52: 843-849 (1965)
	FH	Clarke <i>et al.</i> , The structure and function of yeast centromeres, <i>Ann. Rev. Genet.</i> 19:29-56. (1985)
**	FI	Co et al., "Generation of transgenic mice and germline transmission of a mammalian artificial chromosome introduced into embryos by pronuclear microinjection," <i>Chromosome Research</i> 8:183-191 (2000)
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	FK	Colbère-Garapin <i>et al.</i> , A new dominant hybrid selective marker for higher eukaryotic cells, <i>J. Mol. Biol.</i> 150:1-14 (1981)
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	FN	Cooke <i>et al.</i> , pYAC-4 Neo, a yeast artificial chromosome vector which codes for G418 resistance in mammalian cells, <i>Nuc Acids Res.</i> 16(24):11817 (1988).
	FO	Cooke, Non-programmed and engineered chromosome breakage, <i>Cold Spring Harbor Monograph Series</i> 29: 219-245 (1995)
	FP	Cooper and Tyler-Smith, The putative centromere-forming sequence of $\lambda$ CM8 is a single copy sequence and is not a component of most human centromeres, <i>Hum. Mol. Gen.</i> 1(9):753-754 (1992)
**	FQ	Copenhaver et al., "Genetic definition and sequence analysis of Arabidopsis centromeres," <i>Science</i> 286:2468-2474 (1999)
	FR	Couto <i>et al.</i> , Inhibition of intracellular <i>histoplasma capsulatum</i> replication by murine macrophages that produce human defensin, <i>Infect. Immun.</i> 62:2375-2378 (1994)
	FS	Cram <i>et al.</i> , Polyamine buffer for bivariate human flow cytogenetic analysis and sorting, <i>Methods in Cell Biology</i> 33:377-382 (1990)
	FT	Cram, <i>et al.</i> , Univariate analysis of metaphase chromosomes using the hypotonic potassium chloride-propidium iodide protocol, <i>Meth. Cell Biol.</i> , 33:369-376, 1990

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	FV	Crystal, Transfer of Genes to Humans: Early Lessons and Obstacles to Success, <i>Science</i> 270:404-410 (1995).			
	FW	Current state of the art, <i>Chromos Molecular Systems - News Release</i> (May 29, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )			
	FX	Cuthbert <i>et al.</i> , Construction and characterization of a highly stable human:rodent monochromosomal hybrid panel for genetic complementation and genome mapping studies, <i>Cytogenet Cell Genet</i> 71:68-76 (1995).			
	FY	Cutler, Electroporation: Being developed to transform crops, <i>Ag Biotechnology News</i> 7:3 (September/October 1990)			
	FZ	Database WPI Derwent Abstract 199442, citing WO 9424300, Transposition construct for introducing genes into eukaryotic cell genome.			
	EA	Dausset <i>et al.</i> , "The CEPH YAC Library", <i>Behring Inst. Mitt.</i> , 91:13-20 (1992)			
	EB	Davidson <i>et al.</i> , Improved techniques for the induction of mammalian cell hybridisation by polyethylene glycol, <i>Somatic Cell. Genet.</i> 2:165-176 (1976)			
	EC	Dean <i>et al.</i> Multiple mutations in highly conserved residues are found in mildly affected cystic fibrosis patients, <i>Cell</i> 61:863-870 (1990)			
	ED	deJong <i>et al.</i> , Mammalian artificial chromosome pilot production facility: large-scale isolation of functional satellite DNA-based artificial chromosomes, <i>Cytometry</i> 35:129-133 (1999)			
	EE	DePamphilis, Eukaryotic DNA replication: Anatomy of an origin, <i>Annu. Rev. Biochem.</i> 62:29-63 (1993)			
	EF	Dhar, <i>et al.</i> , "Transfer of Chinese Hamster Chromosome 1 to Mouse Cells and Regional Assignment of 7 Genes: A Combination of Gene Transfer and Microcell Fusion", <i>Somatic Cell and Molecular Genetics</i> , 10:(6)547-559, (1984).			
	EG	DIALOG Abstract 007268905, citing: EP 0240 373 A1			
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	EI	Dieken, <i>et al.</i> , "Efficient modification of human chromosomal alleles using recombination-proficient chicken/human microcell hybrids", <i>Nature Genet.</i> 12:174-182, (1996).			
	EJ	Dixon <i>et al.</i> , "Engineering Chimeras for Noah's Ark", <i>Hastings Cent. Rep.</i> , 14(2):10-12 (1984)			
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	EK	Dresser, B.L., "Indian Desert Cat Birth Makes History", <i>Cat News: Issue 11 #19</i> , pgs. 1-3 (1989)			
	EL	Drohan, Transgenic Animals: "Great and Small," <i>Journal of Cellular Biochemistry</i> 49:111-112 (1992).			
	EM	Dunckley <i>et al.</i> , Retroviral-mediated transfer of a dystrophin minigene into <i>mdx</i> mouse myoblasts in vitro, <i>FEBS Lett.</i> 296:128-34 (1992)			
	EN	Ebert <i>et al.</i> , Transgenic Production of a Variant of Human Tissue-type Plasminogen Activator in Goat Milk: Generation of Transgenic Goats and Analysis of Expression, <i>Bio/Technology</i> 9:835-838 (1991).			
	EO	Eckdahl <i>et al.</i> , "DNA structures associated with autonomously replicating sequences form plant", <i>Plant molecular Biol.</i> , 12:507-516 (1989)			
	EP	Eissenberg and Elgin, Boundary functions in the control of gene expression, <i>Trends in Genet.</i> , 7(10):335-340, 1991			
	EQ	Erlich <i>et al.</i> , Recent advances in the polymerase chain reaction, <i>Science</i> 252:1643-1651 (1991)			
	ER	Etches, <i>et al.</i> , "Chimeric chickens and their use in manipulation of the chicken genome", <i>Poultry Sci.</i> 72:882-889, (1993).			
	ES	Fangman and Brewer, A question of time: replication origins of eukaryotic chromosomes, <i>Cell</i> 71: 363-366 (1992)			
	ET	Farr <i>et al.</i> , Generation of a human X-derived minichromosome using telomere-associated chromosome fragmentation, <i>EMBO J.</i> 14:5444-5454 (1995)			
	EU	Farr, Mammalian telomeres and chromosome fragmentation, <i>Cell Devtl. Biol.</i> 7: 41-48 (1996)			
	EV	Farrel <i>et al.</i> , p53 is frequently mutated in Burkitt's lymphoma cell lines, <i>EMBO J.</i> 10:2879-2887 (1991)			
	EW	Fátyol <i>et al.</i> , Cloning and molecular characterization of a novel chromosome specific centromere sequence of Chinese hamster, <i>Nucl. Acids Res.</i> 22:3728-3736 (1994)			
	EX	Fechheimer <i>et al.</i> , Transfection of mammalian cells with plasmid DNA by scrape loading and sonication loading, <i>Proc. Natl. Acad. Sci. USA</i> 84:8463-8467 (1987)			
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	FA	Fournier, A general high-efficiency procedure for production of microcell hybrids, <i>Proc. Natl. Acad. Sci. USA</i> 78:6349-6353 (1981)		
	FB	Fowler, et al., "Donor lymphoid cells of th2 cytokine phenotype reduce lethal graft versus host disease and facilitates fully allogeneic cell transfers in sublethally irradiated mice", <i>Advances in Bone Marrow Purging and Processing: Fourth International Symposium</i> , p. 533-540, (1994).		
	FC	Frery et al., "Molecular mapping of the centromeres of tomato chromosomes 7 and 9", <i>Mol. Gen. Genet.</i> , 250:295-304 (1996)		
	FD	Frasier, et al., "Efficient incorporation of transfected blastodermal cells into chimeric chicken embryos", <i>Int. J. Dev. Biol.</i> 37:381-385, (1993).		
	FE	French et al., Construction of a retroviral vector incorporating mouse VL30 retrotransposon-derived, transcriptional regulatory sequences, <i>Anal. Biochem.</i> 228:354-355 (1995)		
	FF	Frohman and Martin, Cut, paste, and save: new Approaches to altering specific genes in mice, <i>Cell</i> 56:145-147 (1989)		
	FG	Fromm et al., Expression of genes transferred into monocot and dicot plant cells by electroporation, <i>Proc. Natl. Acad. Sci. USA</i> 82:5824-5828 (1985)		
	FH	Fu S et al., Molecular cytogenetic study of an extra small chromosome, (CHINA) 1992, 19(4):294-7, MEDLINE ABSTRACT: 93103732		
	FI	Garside et al., A method for karyotyping mouse blastocyst embryos developing from in vivo and in vitro fertilized eggs, <i>Experientia</i> 41:1183-1184 (1985).		
**	FJ	Gage, F.H., "Cell Therapy," <i>Nature</i> 392:18-24 (1998)		
	FK	Gaub, et al., "The chicken ovalbumin promoter is under negative control which is relieved by steroid hormones", <i>The EMBO Journal</i> , 6(8):2313-2320, (1987).		
	FL	Gillespie et al., Tissue-specific expression of human CD4 in transgenic mice, <i>Mol. Cell. Biol.</i> 13:2952-2958 (1993)		
	FM	Giraldo et al., "Size matters: use of YACs, BACs and PACs in transgenic animals", <i>Transgenic Res.</i> , 10:83-103 (2001)		
	FN	Gluzman, SV40-transformed simian cells support the replication of early SV40 mutants, <i>Cell</i> 23:175-182 (1981)		

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	FO	Gogel, <i>et al.</i> , Mapping of replication initiation sites in the mouse ribosomal gene cluster, <i>Chromosoma</i> , 104:511-518, 1996			
	FP	Gonzalez and Sylvester, Complete sequence of the 43-kb human ribosomal DNA repeat: Analysis of the intergenic space, <i>Genomics</i> , 27:320-328, 1985			
	FQ	Goodfellow <i>et al.</i> , Techniques for mammalian genome transfer, in <i>Genome Analysis a Practical Approach</i> , K.E. Davies, ed., IRL Press, Oxford, Washington DC. pp.1-17 (1989)			
	FR	Gordon <i>et al.</i> , Genetic transformation of mouse embryos by microinjection of purified DNA, <i>Proc. Natl. Acad. Sci. USA</i> 77(12):7380-7384 (1980).			
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	FT	Gout, <i>et al.</i> , Prolactin-stimulated growth of cell cultures established from malignant Nb rat lymphomas, <i>Cancer Res.</i> , 40:2433-2436, 1980			
	FU	Graham and van der Eb, A new technique for the assay of infectivity of human adenovirus 5 DNA, <i>Virology</i> 52:456-457 (1973)			
	FV	Gravholt and Friedrich, Molecular cytogenetic study of supernumerary marker chromosomes in an unselected group of children, <i>Am. J. Med. Gen.</i> , 56:106-111, 1995			
	FW	Green <i>et al.</i> , Systematic screening of yeast artificial-chromosome libraries by use of the polymerase chain reaction, <i>Proc. Natl. Acad. Sci USA</i> 87:1213-1217 (1990).			
	FX	Green, <i>et al.</i> , "Chromosomal region of the cystic fibrosis gene in yeast artificial chromosomes: A model for human genome mapping", <i>Science</i> 250:94-98, (1990).			
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	FZ	Gritz <i>et al.</i> , Plasmid-encoded hygromycin B resistance: the sequence of hygromycin B phosphotransferase gene and its expression in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> , <i>Gene</i> 25:179-188 (1983)			
	GA	Guide to Techniques in Mouse Development, <i>Methods in Enzymology</i> 25:803-932 (1993)			
	GB	Gunning <i>et al.</i> , A human $\beta$ -actin expression vector system directs high-level accumulation of antisense transcripts, <i>Proc. Natl. Acad. Sci. USA</i> 84:4831-4835 (1987)			
	GC	Haaf <i>et al.</i> , Integration of Human $\alpha$ -satellite DNA into simian chromosomes: centromere protein binding and disruption of normal chromosome segregation, <i>Cell</i> , 70:681-696 (1992)			
	GD	Haas and Dowding, Aminoglycoside-modifying enzymes, <i>Meth. Enzymol.</i> , 43:611-628, 1975			

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	GE	Haase <i>et al.</i> , Transcription inhibits the replication of autonomously replicating plasmids in human cells, <i>Mol. Cell. Biol.</i> 14:2516-2524 (1994)			
	GF	Hadlaczky and Szalay, Mammalian artificial chromosomes: Introduction of novel genes into mammalian artificial chromosomes, Abstract from International Symposium on <i>Gene Therapy of Cancer, AIDS and Genetic Disorders</i> , Trieste (Italy) (April 10-13, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )			
	GG	Hadlaczky <i>et al.</i> , "DNA Synthesis And Division In Interkingdom Heterokaryons", <i>In Vitro</i> , 16(8):647-650 (1980)			
	GH	Hadlaczky <i>et al.</i> , Centromere formation in mouse cells cotransformed with human DNA and a dominant marker gene, <i>Proc. Natl. Acad. Sci. USA</i> 88:8106-8110 (1991)			
	GI	Hadlaczky <i>et al.</i> , Centromere proteins, <i>Chromosoma</i> 97:282-288 (1989)			
	GJ	Hadlaczky <i>et al.</i> , Direct evidence for the non-random localization of mammalian chromosomes in the interphase nucleus, <i>Exp. Cell Res.</i> 167:1-15 (1986)			
	GK	Hadlaczky <i>et al.</i> , Protein depleted chromosomes, <i>Chromosoma</i> 81:537-555 (1981)			
**	GL	Hadlaczky <i>et al.</i> , "Satellite DNA-based artificial chromosomes for use in gene therapy," <i>Curr. Opin. Mol. Thera.</i> 3:125-132 (2001)			
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	GN	Hadlaczky, Structure of metaphase chromosomes of plants, <i>Internatl. Rev. Cytol.</i> 94:57-76 (1985)			
	GO	Hall <i>et al.</i> , Expression and regulation of <i>Escherichia coli lacZ</i> gene fusions in mammalian cells, <i>J. Mol. Appl. Gen.</i> 2:101-109 (1983)			
	GP	Handeli <i>et al.</i> , Mapping replication units in animal cells, <i>Cell</i> 57 909-920 (1989)			
	GQ	Hanna <i>et al.</i> , Specific expression of the human CD4 gene in mature CD4 <sup>+</sup> CD8 <sup>-</sup> and immature CD4 <sup>+</sup> CD8 <sup>+</sup> T cells and in macrophages of transgenic mice, <i>Mol. Cell. Biol.</i> 14:1084-1094 (1994)			
	GR	Harper <i>et al.</i> , Localization of single copy DNA sequences on G-banded human chromosomes by in situ hybridization, <i>Chromosoma</i> 83:431-439 (1981)			
	GS	Harrington, <i>et al.</i> , Formation of <i>de novo</i> centromeres and construction of first-generation human artificial microchromosomes, <i>Nature Genetics</i> , 15:345-355, 1997			
	GT	Haskell <i>et al.</i> , Efficient Production of Transgenic Cattle by Retroviral Infection of Early Embryos, <i>Molecular Reproduction and Development</i> 40:386-390 (1995).			
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	GU	Hassan <i>et al.</i> , Replication and transcription sites are colocalized in human cells. <i>J. Cell. Sci.</i> 107:425-434 (1994)			
	GV	Heller <i>et al.</i> , Mini-chromosomes derived from the human Y chromosome by telomere directed chromosome breakage, <i>Proc. Natl. Acad. Sci. USA</i> 93:7125-7130 (1996).			
**	GW	Hemann <i>et al.</i> , "High-copy expression vector based on amplification-promoting sequences," <i>DNA Cell Biology</i> 13(4):437-445 (1994)			
	GX	Henikoff <i>et al.</i> , Position-effect variegation after 60 years, <i>Trends in Genetics</i> 6: 422-426 (1990).			
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	GZ	Hill <i>et al.</i> , Production of Transgenic Cattle by Pronuclear Injection, <i>Theriogenology</i> 37:222 (1992).			
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	HB	Hogan <i>et al.</i> , <i>Manipulating the Mouse Embryo: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pages 253-289, see, especially pages 255-264 and Appendix 3 (1994)			
	HC	Hollo <i>et al.</i> , Evidence for a megareplicon covering megabases of centromere segments, <i>Chromosome Research</i> 4:240-247 (1996)			
	HD	Holmen, <i>et al.</i> , "Efficient Lipid-mediated transfection of DNA into Primary Rat Hepatocytes", <i>In Vitro Cell, Dev. Biol.</i> 30:347-351, (1995).			
	HE	Holmquist and Comings, Sister chromatid exchange and chromosome organisation based on a bromodeoxyuridine Giemsa-C-banding technique (TC-banding), <i>Chromosoma</i> 52:245-259 (1975)			
	HF	Houben <i>et al.</i> , "Immunostaining and interphase arrangement of field bean kinetochores", <i>Chrom. Res.</i> , 3:27-31 (1995)			
	HG	Houdebine, Production of pharmaceutical proteins from transgenic animals, <i>Journal of Biotechnology</i> 34:269-287 (1994).			
	HH	Hsu and Markvong, Chromosomes and DNA in <i>Mus</i> : Terminal DNA synthetic sequences in three species, <i>Chromosoma</i> 51:311-322 (1975)			
	HI	Huberman and Riggs, On the mechanism of DNA replication in mammalian chromosomes, <i>J Mol Biol</i> 32:327-341 (1968)			
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	HK	Huxley, Mammalian artificial chromosomes: a new tool for gene therapy, <i>Gene Therapy</i> , 1:7-12 (1994)			
	HL	Hyde <i>et al.</i> , Correction of the ion transport defect in cystic fibrosis transgenic mice by gene therapy, <i>Nature</i> 362: 250-255 (1993)			
	HM	Hyrien <i>et al.</i> , The multicopy appearance of large inverted duplication and the sequence at the inversion joint suggest a new model for gene amplification, <i>EMBO J</i> 7:407-417 (1988)			
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	HO	Ikeno <i>et al.</i> , Construction of YAC-based mammalian artificial chromosomes, <i>Nature Biotech</i> 16:431-439 (1998).			
	HP	Ioannou, <i>et al.</i> , A new bacteriophage P1-derived vector for the propagation of large human DNA fragments, <i>Nature Genetics</i> , 6:84-89, 1994			
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	HT	Jacobovits <i>et al.</i> , "Germ-line transmission and expression of a human-derived yeast artificial chromosome", <i>Nature</i> , 362:255-258 (1993)			
	HU	Jiang <i>et al.</i> , "A conserved repetitive DNA element located in the centromeres of cereal chromosomes", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93:14210-14213 (1996)			
	HV	Jiewen <i>et al.</i> , Decondensation of hamster chromosomes in the nuclei of 1-cell stage mice embryo following chromosome microinjection, <i>Theriogenology</i> 45:336 (1996).			
	HW	Johnson, <i>et al.</i> , Genetic mapping of variable length rDNA segments to centromeric regions of mouse Chromosomes 11, 12, 15, 16, and 18, <i>Mammalian Genome</i> , 4:49-52, 1993			
	HX	Johnston <i>et al.</i> , Construction of a mammalian artificial chromosome, Abstract from CGAT grant application, September 1994			

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	IC	Keown <i>et al.</i> , Methods for introducing DNA into mammalian cells, <i>Meth. Enzymol.</i> 185:527-537 (1990)		
	ID	Kerem <i>et al.</i> , Identification of the cystic fibrosis gene: genetic analysis, <i>Science</i> 245:1073-1080 (1989)		
	IE	Kereso <i>et al.</i> , <i>De novo</i> chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes, <i>Chromosome Research</i> 4(3):226-239 (1996)		
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	IJ	Korenberg <i>et al.</i> , Human genome organization: Alu, LINES, and the molecular structure of metaphase chromosome bands, <i>Cell</i> 53:391-400 (1988)		
	IK	Kornberg and Baker, <i>DNA Replication</i> . 2nd. ed., New York: W.H. Freeman and Co, p. 474 (1992)		
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	IM	Krimpenfort <i>et al.</i> , Generation of transgenic dairy cattle using 'in vitro' embryo production, <i>Bio/Technology</i> 9:844-847 (1991).		
**	IN	Kuhholzer et al., <i>Advances in Livestock Nuclear Transfer</i> , Vol 224: p.240-245, 2000		

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	IO	Lalande, <i>et al.</i> , Molecular detection and differntiation of deletions in band 13q14 in human retinoblastoma, <u>Cancer Genet Cytoenet</u> , 23:151-157, 1986			
	IP	Lamb, B. <i>et al.</i> , YAC transgenics and the study of genetics and human disease, <i>Curr. Opinion: Genetics &amp; Dev.</i> 6, 342-348 (1995).			
	IQ	Lambert <i>et al.</i> , Functional complementation of ataxia-telangiectasia group D (AT-D) cells by microcell-mediated chromosome transfer and mapping of the AT-D locus to the region 11q22-23, <i>Proc. Natl. Acad. Sci. USA</i> 88:5907-59 (1991)			
	IR	Lanza <i>et al.</i> , "Cloning Noah's Ark", <i>Scientific American</i> , Nov:84-89 (2000)			
	IS	Larin <i>et al.</i> , "A method for linking yeast artificial chromosomes", <i>Nucl. Acid. Res.</i> , 24:4192-4196 (1996)			
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	IU	Larsson <i>et al.</i> Reduced $\beta 2$ -microglobulin mRNA levels in transgenic mice expressing a designed hammerhead ribozyme, <u>Nucleic Acids Research</u> 22:2242-2248, (1994).			
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	IW	Le Bolc'h, <i>et al.</i> , "Cationic phosphonolipids as non viral vectors for DNA transfection", <i>Tetrahedron Lett.</i> 36:6681-6684, (1995).			
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	JB	Libert <i>et al.</i> , "Construction of a Bovine Genomic Library of Large Yeast Artificial Chromosome Clones", <i>Genomics</i> , 18:270-276 (1993)			
	JC	Lin <i>et al.</i> , Isolation and identification of a novel tandemly repeated DNA sequence in the centromeric region of human chromosome 8, <u>Chromosoma</u> 102: 333-339 (1993)			

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	JE	Liu <i>et al.</i> , The pro region of human neutrophil defensin contains a motif that is essential for normal subcellular sorting, <i>Blood</i> 85:1095-1103 (1995)		
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	JG	Loefler, <i>et al.</i> , "Gene Transfer into Primary and Established Mammalian Cell Lines with Lipopolyamine-Coated DNA", <i>Methods for Transforming Animal and Plant Cells</i> 217:599-618, (1993).		
	JH	Loi <i>et al.</i> , "Genetic rescue of an endangered mammal by cross-species nuclear transfer using post-mortem somatic cells", <i>Nat. Biotechnol.</i> , 19:962-964 (2001)		
	JI	Looney <i>et al.</i> , The dihydrofolate reductase amplicons in different methotrexate-resistant Chinese hamster cell lines share at least a 273-kilobase core sequence, but the amplicons in some cell lines are much larger and remarkably uniform in structure, <i>Mol. Cell Biol.</i> 8:5268-5279 (1988)		
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	JP	Madan <i>et al.</i> , Fluorescence analysis of late DNA replication in mouse metaphase chromosomes using BUdR and 33258 Hoechst, <i>Exp. Cell Res.</i> 99:438-444 (1976)		
	JQ	Maden, <i>et al.</i> , Clones of human ribosomal DNA containing the complete 18 S-rRNA and 28 S-rRNA genes, <i>J. Biochem.</i> , 246:519-527, 1987		

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	JS	Maniatis <i>et al.</i> , The isolation of structural genes from libraries of eucaryotic DNA, <i>Cell</i> 15: 687-701 (1978)		
	JT	Mansour <i>et al.</i> , Disruption of the proto-oncogene <i>int-2</i> in mouse embryo-derived stem cells: a general strategy for targeting mutations to non-selectable genes, <i>Nature</i> 336:348-352 (1988)		
	JU	Manuelidis, Heterochromatic features of an 11-megabase transgene in brain cells, <i>Proc. Natl. Acad. Sci. USA</i> , 88:1049-1053, 1991		
	JV	Marshall <i>et al.</i> , "Transfer of YACs up to 2.3 Mb intact into human cells with polyethylenimine", <i>Gene Therapy</i> , 6:1634-1637 (1999)		
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	KC	Meinkoth and Wahl, Hybridization of nucleic acids immobilized on solid supports, <i>Anal. Biochem.</i> 138:267-284 (1984)		
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	KH	Miller and Rosman, Improved retroviral vectors for gene transfer and expression, <i>Biotechniques</i> 7:980-990 (1989)			
	KI	Miller <i>et al.</i> , High-efficiency ligation and recombination of DNA fragments by vertebrate cells, <i>Science</i> 220:606-609,			
	KJ	Miller, in <i>Experiments in Molecular Genetics</i> , Cold Spring Harbor Press, pp. 352-355 (1972)			
	KK	Miller, Is the centromeric heterochromatin of <i>Mus musculus</i> late replicating? <i>Chromosoma</i> 55:165-170 (1976)			
	KL	Mitani <i>et al.</i> , Delivering therapeutic genes - matching approach and application, <i>Trends Biotech.</i> 11:162-166 (1993)			
	KM	Mole-Bajer <i>et al.</i> , "Autoantibodies from a patient with scleroderma CREST recognized kinetochores of the higher plant <i>Haemanthus</i> ", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 87:3599-3603 (1990)			
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	KS	Murray <i>et al.</i> , Construction of artificial chromosomes in yeast, <i>Nature</i> 305:189-193 (1983)			
	KT	Nabel <i>et al.</i> , Site-specific gene expression in vivo by direct gene transfer into the arterial wall, <i>Science</i> 249:1285-1288 (1990)			
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	KY	O'Keefe <i>et al.</i> , Dynamic organization of DNA replication in mammalian cell nuclei: Spatially and temporally defined replication of chromosome-specific a-satellite DNA sequences, <i>J. Cell Biol.</i> 116:1095-1110 (1992)
	KZ	Osborne <i>et al.</i> , A mutation in the second nucleotide binding fold of the cystic fibrosis gene, <i>Am. J. Hum. Genetics</i> 48:608-612 (1991)
	LA	Palmieri <i>et al.</i> , "Construction of a pilot human YAC library in a recombination-defective yeast strain", <i>Gene</i> , 188:169-174 (1997)
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	LF	Perry and Wolff, A new Giemsa method for the differential staining of sister chromatids, <i>Nature</i> 251:156-158 (1974)
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	LJ	Pinkel <i>et al.</i> , Cytogenetic analysis using quantitative, high-sensitivity, fluorescence hybridization, <i>Proc. Natl. Acad. Sci. USA</i> , 83:2934-2938 (1986)
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	LL	Pope <i>et al.</i> , "In vitro fertilization in domestic and non-domestic cats including sequences of early nuclear events, development <i>in vitro</i> , cryopreservation and successful intra- and interspecies embryo transfer," <i>J. Reprod. Fert. Suppl.</i> 47: 189-201 (1993)		
	LM	Prasher <i>et al.</i> , Primary structure of the <i>Aequorea victoria</i> green-fluorescent protein, <i>Gene</i> 111:229-233 (1992)		
	LN	Praznovszky <i>et al.</i> , <i>De novo</i> chromosome formation in rodent cells, <i>Proc. Natl. Acad. Sci. USA</i> 88:11042-11046 (1991)		
	LO	Press Release Advanced Cell April 8, 2003 "Collaborative Effort Yields Endangered Species Clone		
	LP	Press Release Advanced Cell January 12, 2001 "Advanced Cell Technology Announces Birth of First Cloned Endangered"		
	LQ	Priest, Cytogenetics. In <i>Medical Technology Series</i> . R.M. French, M. Eichman, B. Fiorella, and H.F. Weisberg, eds. (Lea and Febiger, Philadelphia) pp.189-190 (1969)		
	LR	Quastler <i>et al.</i> , Cell population kinetics in the intestinal epithelium of the mouse, <i>Exp. Cell Res.</i> 17:420-438 (1959)		
	LS	Raimondi, <i>et al.</i> , "X-ray mediated size reduction, molecular characterization and transfer in model systems of a human artificial minichromosome", Abstract from International Symposium on <i>Gene Therapy of Cancer, AIDS and Genetic Disorders</i> , Trieste (Italy) (April 10-13, 1996.		
	LT	Raimondi, Gene targeting to the centromeric DNA of a human minichromosome. <i>Hum. Gene Ther.</i> 7: 1103-1109 (1996)		
	LU	Rancourt <i>et al.</i> , Wolffish Antifreeze Protein from Transgenic <i>Drosophila</i> , <i>Bio/Technology</i> 8:453-457 (1990).		
	LV	Rasko <i>et al.</i> , Pattern of segregation of chicken HPRT phenotype in Chinese hamster-chick red blood cell hybrids, <i>Cytogenet Cell Genet</i> 24:129-137 (1979).		
**	LW	Raven <i>et al.</i> , "The Classification of Living Things", in Botany, pages 171-185, Worth Publishers, New York, N.Y. (1992)		
	LX	Raynal <i>et al.</i> , Complete nucleotide sequence of mouse 18 SrRNA gene: comparison with other available homologs, <i>FEBS Lett.</i> 167 (2): 263-367 (1984)		
	LY	Remy, <i>et al.</i> , "Gene Transfer with a Series of Lipophilic DNA-Binding Molecules", <i>Bioconjugate Chem.</i> 5:647-654, (1994).		

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	LZ	Report and recommendations of the panel to assess the NIH investment in research on gene therapy, Orkin and Motulsky, co-chairs (December 7, 1995) (available at <a href="http://www.nih.gov/news/panelrep.html">http://www.nih.gov/news/panelrep.html</a> )
	MA	Rhodes <i>et al.</i> , "Telomere structure and function", <i>Curr. Opin. Struc. Biol.</i> , 5:311-322 (1995)
	MB	Richia and Lo, Introduction of human DNA into mouse eggs by injection of dissected chromosome fragments, <i>Science</i> 245:175-177 (1989)
	MC	Riego <i>et al.</i> , Production of Transgenic Mice and Rabbits that Carry and Express the Human Tissue Plasminogen Activator cDNA under the Control of a Bovine Alpha S1 Casein Promoter, <i>Theriogenology</i> 39:1173-1185 (1993).
	MD	Riordan <i>et al.</i> , Identification of the cystic fibrosis gene: cloning and characterization of complementary DNA, <i>Science</i> 245:1066-1072 (1989)
	ME	Roberts <i>et al.</i> , Ribosomal RNA Gene Amplification: A Selective Advantage in Tissue Culture, <i>Cancer Genet Cytogenet</i> 29:119-127 (1987).
	MF	Robertson <i>et al.</i> , Germ-line transmission of genes introduced into cultured pluripotential cells by retroviral vector, <i>Nature</i> 323:445-448 (1986).
	MG	Rogers <i>et al.</i> , [26] Gene transfer in plants: Production of transformed plants using Ti plasmid vectors, <i>Methods for Plant Molecular Biology</i> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 423-436 (1988)
	MH	Rommens <i>et al.</i> , Identification of the cystic fibrosis gene: chromosome walking and jumping, <i>Science</i> 245:1059-1065 (1989)
	MI	Rorie <i>et al.</i> , "A simplified procedure for making reconstituted blastocysts for interspecific and intergeneric transfer", <i>Vet. Rec.</i> , 135:186-187 (1994)
	MJ	Rosenfeld <i>et al.</i> , <i>In vivo</i> transfer of the human cystic fibrosis transmembrane conductance regulator gene to the airway epithelium, <i>Cell</i> 68:143-155 (1992)
	MK	Roslaniec, <i>er al.</i> , Development of a high speed optical chromosome sorter based on photoinduced cross-linking of DNA with psoralens, International Society for Analytical Cytology Abstracts, 1994
	ML	Rossant and Frels, "Interspecific Chimeras in Mammals: Successful Production of Live Chimeras Between <i>Mus musculus</i> and <i>Mus caroli</i> ", <i>Science</i> , 208:419-421 (1980)
	MM	Roth <i>et al.</i> , Illegitimate Recombination in Mammalian Cells, Chapter 21 621-653.
	MN	Roth, <i>et al.</i> , "Artifizielle chromosomen", <i>Natur Wissenschaften</i> 74:78-85, (1987).

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	MO	Rowe, <i>et al.</i> , Genetic mapping of 18S ribosomal RNA-related loci to mouse chromosomes 5, 6, 9, 12, 17, 18, 19, and X, <i>Mammalian Genome</i> , 7:886-889, 1996			
**	MP	Saffery and Choo, "Strategies for engineering human chromosomes with therapeutic potential", <i>J. Gene Med.</i> , 4:5-13 (2002)			
	MQ	Sakai <i>et al.</i> , Human Ribosomal RNA Gene Cluster: Identification of the Proximal End Containing a Novel Tandem Repeat Sequence, <i>Genomics</i> 26:521-526 (1995).			
	MR	Sambrook <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual, Volume 1</i> . 2d Ed., Cold Spring Harbor Laboratory Press,, Section 2.18 (1989)			
**	MS	Samstein and Platt, "Physiologic and immunologic hurdles to xenotransplantation," <i>J. Am. Soc. Nephrol.</i> 12:182-193 (2001)			
	MT	Sanes <i>et al.</i> , Use of a recombinant retrovirus to study post-implantation cell lineage in mouse embryos, <i>EMBO J.</i> 5(12):3133-3142 (1986)			
	MU	Sanford, <i>et al.</i> , "General Protocol for Microcell-Mediated Chromosome Transfer", <i>Somatic Cell and Molecular Genetics</i> , 13(3):279-284, (1987).			
	MV	Sang, <i>et al.</i> , "Transgenic chickens - methods and potential application", <i>TIBTECH</i> 12:415-420.			
	MW	Sanger <i>et al.</i> , Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing, <i>J. Mol. Biol.</i> 143:161-178 (1980)			
	MX	Saxon <i>et al.</i> , Selective transfer of individual human chromosomes to recipient cells, <i>Mol. Cell. Biol.</i> 1:140-146 (1985)			
	MY	Schedl <i>et al.</i> , A method for the generation of YAC transgenic mice by pronuclear microinjection, <i>Nuc. Acids Res.</i> 21:4783-4787 (1993)			
	MZ	Schneider <i>et al.</i> , Procedure for production of hybrid genes and proteins and its use in assessing significance of amino acid differences in homologous tryptophan synthetase α polypeptides, <i>Proc. Natl. Acad. Sci, USA</i> 78(4):2169-2173.			
	NA	Scientists report a major step in realizing the commercial potential of engineered artificial chromosomes in significant life sciences sectors, including gene therapy, <i>Chromos Molecular Systems - News Release</i> (May 29, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )			
	NB	Seamark, Progress and Emerging Problems in Livestock Transgenesis: a Summary Perspective, <i>Reprod. Fertil. Dev.</i> 6:653-657 (1994).			
	NC	Selig <i>et al.</i> , Regulation of mouse satellite DNA replication time, <i>EMBO J.</i> 7:419-426 (1988)			
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	ND	Shen <i>et al.</i> , "A structurally defined mini-chromosome vector for the mouse germ line", <i>Current Biology</i> , 10:31-34 (2000)
	NE	Sher, <i>et al.</i> , "Role of T-Cell derived cytokines in the downregulation of immune responses in parasitic and retroviral infection", <i>Immunological Reviews</i> (127)183-204, (?)
	NF	Shizuya, <i>et al.</i> , Cloning and stable maintenance of 300-kilobase-pair fragments of human DNA in <i>Escherichia coli</i> using an F-factor-based vector, <i>Proc. Natl. Acad. Sci. USA</i> , 89:8794-8797, 1992
	NG	Shwarchuk, <i>et al.</i> , Substructure in the radiation survival response at low dose: asynchronous and partially synchronized V79-WNRE cells, <i>Int. J. Radiat. Biol.</i> , 64(5):601-612, 1993
	NH	Sillar and Young, A new method for the preparation of metaphase chromosomes for flow analysis, <i>J. Histo. Cytoch.</i> , 29:74-78, 1981
	NI	Simons <i>et al.</i> , Alteration of the quality of milk by expression of sheep $\beta$ -lactoglobulin in transgenic mice, <i>Nature</i> 328:530-532 (1987).
	NJ	Simons <i>et al.</i> , Gene Transfer into Sheep, <i>Bio/Technology</i> 6:179-183 (1988).
	NK	Smith <i>et al.</i> , Distinctive chromosomal structures are formed very early in the amplification of CAD genes in Syrian hamster cells, <i>Cell</i> 63:1219-1227 (1990)
	NL	Smith, <i>et al.</i> , "Amplification of large artificial chromosomes", <i>Proc. Natl. Acad. Sci. USA</i> , 87:8242-8246, (1990).
	NM	Solus <i>et al.</i> , Characterization of single-copy probe from vicinity of centromere of human chromosome 1, <i>Somatic Cell Mol. Genet.</i> 14: 381-391 (1988)
	NN	Sternberg, Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs, <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107 (1990).
**	NO	Stice et al., "Clonin: New breakthroughs leading to commercial opportunities," <i>Therigneology</i> 49:129-138 (1998)
	NP	Stoehr, <i>et al.</i> , A reliable preparation of mono-dispersed chromosome suspensions for flow cytometry, <i>Histochemistry</i> , 74:57-61, 1982
**	NQ	Stolzenburg et al., "Structural homologies and functional similarities between mammalian origins of replication and amplification promoting sequences," <i>Chromosoma</i> 103:209-214 (1994)
	NR	Strauss, "Transfection of Mammalian Cells via Lipofection", <i>Meth Biol</i> 54:307-327, (1996).

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	NS	Strojek <i>et al.</i> The use of transgenic animal techniques for livestock improvement, <u>Genetic Engineering: Principles and Methods</u> 10:221-246, (1988).			
	NT	Stubblefield and Wray, Isolation of specific human metaphase chromosomes, <u>Bioch. and Biophys. Res. Commun.</u> , 83(4):1404-1414, 1978			
	NU	Sugden <i>et al.</i> , A vector that replicates as a plasmid and can be efficiently selected in B-lymphoblast transformed by Epstein-Barr virus, <i>Mol. Cell. Biol.</i> 5:410-413 (1985)			
	NV	Summers <i>et al.</i> , "Interspecific Chimerism-The Characterization And Immunological Responsiveness of <i>Bos Taurus</i> - <i>Bos Indicus</i> Haemopoietic Chimeras Produced By Embryo Transfer", <i>Aust. J. Exp. Biol. Med. Sci.</i> , 62 (Pt1): 27-45 (1984)			
	NW	Sumner, A simple technique for demonstrating centromeric heterochromatin, <i>Cell Res.</i> 75:304-306 (1972)			
	NX	Sumner, Scanning electron microscopy of mammalian chromosomes from prophase to telophase. <i>Chromosoma</i> 100:410-418 (1991)			
	NY	Sun <i>et al.</i> , Human artificial episomal chromosomes for cloning large DNA fragments in human cells, <i>Nature Genetics</i> 8:33-41 (1994).			
	NZ	Szybalska, <i>et al.</i> , "DNA-Mediated heritable transformation of biochemical trait", <i>Proc. N.A.S.</i> 48:2026-2034, (1962).			
	OA	Szybalsky <i>et al.</i> Genetic studies with human cell lines, <i>Natl. Cancer Inst. Monogr.</i> 7:75-89 (1982)			
	OB	Takeda <i>et al.</i> , "Construction of a bovine yeast artificial chromosome (YAC) library", <i>Animal Genetics</i> , 29:216-219 (1998)			
	OC	Takeda <i>et al.</i> , Expression of SV40- <i>lacZ</i> Gene in Mouse Preimplantation Embryos After Pronuclear Microinjection, <i>Molecular Reproduction and Development</i> 30:90-94 (1991).			
	OD	Tamura <i>et al.</i> , Microinjection of DNA into early embryo of <i>Bombyx mori</i> , <i>Bio Ind.</i> 8:26-31 (1991) (Chemical Abstracts # 114(21)200502z)			
	OE	Taylor <i>et al.</i> , Analysis of extrachromosomal structures containing human centromeric alphoid satellite DNA sequences in mouse cells, <u>Chromosoma</u> 105: 70-81 (1996)			
	OF	Taylor <i>et al.</i> , Analysis of extrachromosomal structures containing human centromeric alphoid satellite DNA sequences in mouse cells, <u>Chromosoma</u> 105: 70-81 (1996)			
	OG	Teifel, <i>et al.</i> , "New Lipid Mixture for Efficient Lipid-Mediated Transfection of BHK Cells", <i>Biotechniques</i> 19:79-82, (1995).			

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**	OH	Telenius et al., "Stability of a functional murine satellite DNA-based artificial chromosome across mammalian species," <i>Chromosome Research</i> 7:3-7 (1999)			
	OI	Thoraval et al., A methylated human 9-kb repetitive sequence on acrocentric chromosomes is homologous to a subtelomeric repeat in chimpanzees, <i>Proc. Natl. Acad. Sci.</i> 93:4442-4447 (1996).			
	OJ	Toledo et al., Co-amplified markers alternate in megabase long chromosomal inverted repeats and cluster independently in interphase nuclei at early steps of mammalian gene amplification, <i>EMBO J.</i> 11:2665-2673 (1992)			
	OK	Tomizuka et al., Functional expression and germline transmission of a human chromosome fragment in chimaeric mice, <i>Nature Genetics</i> 16:133-143 (1997)			
	OL	Tonghua et al., Effects of antisense epidermal growth factor and its receptor retroviral expression vectors on cell growth of human pancreatic carcinoma cell line, <i>Chin. Med. J. (Beijing, Engl. Ed.)</i> 108:653-659 (1995)			
	OM	Tora, et al., "Cell-specific activity of a GGTC A half-palindromic oestrogen-responsive element in the chicken ovalbumin gene promoter", <i>The EMBO Journal</i> 7:(12)3771-3778, (1988).			
	ON	Torczynski et al., Cloning and sequencing of a human 18S ribosomal RNA gene, <i>DNA</i> 4 (4): 283-291 (1985)			
	OO	Toye et al., "A yeast artificial chromosome (YAC) library containing 10 haploid chicken genome equivalents", <i>Mammalian Genome</i> , 8:274-276 (1997)			
	OP	Transfection of DNA into eukaryotic cells, <i>Current Protocols in Molecular Biology</i> , Vol. 1, Wiley Inter-Science, Supplement 14, Unit 9.1.1-9.1.9 (1990)			
	OQ	Traver et al., Rapid screening of a human genomic library in yeast artificial chromosomes for single-copy sequences, <i>Proc. Natl. Acad. Sci. USA</i> 86:5898-5902 (1989)			
	OR	Tyler-Smith et al., Mammalian chromosome structure, <i>Curr. Opin. Genet. Devt.</i> 3: 390-397 (1993)			
	OS	Uchimiya et al., Transgenic plants, <i>J. Biotechnol.</i> 12: 1-20 (1989)			
**	OT	Van Beusechem and Valerio, "Gene transfer into hematopoietic stem cells of nonhuman primates," <i>Hum. Gene Ther.</i> 7(14):1649-1668 (1996)			
	OU	Van den Engh, et al., Improved resolution of flow cytometric measurements of Hoechst-and Chromomycin-A3-stained human chromosomes after addition of citrate and sulfite, <i>Cytometry</i> , 9:266-270, 1988			

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	OV	Van den Engh, <i>et al.</i> , Preparation and bivariate analysis of suspensions of human chromosomes, <u>Cytometry</u> , 6:92-100, 1985			
	OW	Van den Engh, <i>et al.</i> , Preparation of chromosomes suspensions for flow cytometry, <u>Cytometry</u> , 5:108-117, 1984			
	OX	Van Dilla, <i>et al.</i> , Human chromosome-specific DNA libraries: Construction and availability, <u>Bio/Technology</u> , 4:537-552, 1986			
	OY	Velandar <i>et al.</i> , High-level expression of a heterologous protein in the milk of transgenic swine using the cDNA encoding human protein C, <u>Proc. Natl. Acad. Sci. USA</u> 89:12003-12007 (1992).			
	OZ	Vig and Richards, Formation of primary constriction and heterochromatin in mouse does not require minor satellite DNA, <u>Exp. Cell Res.</u> 201:292-298 (1992)			
	PA	Vissel <i>et al.</i> , A satellite III sequence shared by human chromosomes 13, 14, and 21 that is contiguous with a satellite DNA, <u>Cytogenet Cell Genet</u> 61:81-86 (1992).			
	PB	Voet, D. and Voet, J., BOOK: <u>Biochemistry</u> , Chapter 33, "Eukaryotic Gene Expression", John Wiley & Sons, New York, p. 1033 (1990)			
	PC	Vos JM, The simplicity of complex MACs, <u>Nature Biotechnology</u> 15:1257-1259 (1997)			
	PD	Wada <i>et al.</i> , "Chimeric YACs were generated at unreduced rates in conditions that suppress coligation", <u>NAR</u> , 22:1651-1654 (1994)			
	PE	Wall <i>et al.</i> , High-level synthesis of a heterologous milk protein in the mammary glands of transgenic swine, <u>Proc. Natl. Acad. Sci. USA</u> 88:1696-1700 (1991).			
	PF	Wall <i>et al.</i> , Making Transgenic Livestock: Genetic Engineering on a Large Scale, <u>Journal of Cellular Biochemistry</u> 49:113-120 (1992).			
	PG	Wall, Transgenic Livestock: Progress and Prospects for the Future, <u>Theriogenology</u> 45:57-68 (1996).			
	PH	Wang and Fedoroff, Banding of human chromosomes treated with trypsin, <u>Nature</u> 235:52-54 (1972)			
	PI	Waring, <i>et al.</i> , "Nucleotide sequence repetition: A rapidly reassociating fraction of mouse DNA", <u>Science</u> 154:791-794, (1966).			
	PJ	Waye <i>et al.</i> , Human $\beta$ satellite DNA: Genomic organization and sequence definition of a class of highly repetitive tandem DNA, <u>Proc. Natl. Acad. Sci.</u> 86:6250-6254 (1989).			
	PK	Weber <i>et al.</i> , Formation of genes coding for hybrid proteins by recombination between related, cloned genes in <i>E. coli</i> , <u>Nuc Acids Res</u> , 11(16):5661-5669 (1983).			
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**	PL	Wegner et al., "Cis-acting sequences from mouse rDNA promote plasmid DNA amplification and persistence in mouse cells: implication of HMG-I in their function", <i>Nuc. Acids Res.</i> , 17(23):9909-9932 (1989)
**	PM	Wegner et al., "An Amplification-Promoting Sequence from Mouse Genomic DNA: Interatction with a Trans-Acting Factor That Also Affects Gene Expression", 9(5):311-321 (1990)
	PN	Weinberg, Tumor suppressor genes, <i>Science</i> 254:1138-1146 (1991)
	PO	White <i>et al.</i> , A frame-shift mutation in the cystic fibrosis gene, <i>Nature</i> 344:665-667 (1990)
	PP	Why are MACs in vogue, <i>Chromos Molecular Systems - News Release</i> (May 29, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )
	PQ	Wigler <i>et al.</i> , DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells, <i>Proc. Natl. Acad. Sci. USA</i> 76:1373-1376 (1979)
**	PR	Willard et al. "Artificial Chromosomes Coming to Life," <i>Science</i> 290:1308-1309 (2000)
	PS	Willard and Waye, Hierarchical order in chromosome specific human alpha satellite DNA, <i>Trends Genet.</i> 3:192-198 (1987)
	PT	Willard, Chromosome manipulation: a systematic approach toward understanding human chromosome structure and function, <i>Proc. Natl. Acad. Sci. USA</i> 93:6847-6850 (1996)
	PU	Williams and Blattner, Construction and characterization of the hybrid bacteriophage lambda charon vectors for DNA cloning, <i>J. Virol.</i> 29:555-575 (1979)
	PV	Wilmot, <i>et al.</i> , Viable offspring derived from fetal and adult mammalian cells, <i>Nature</i> , 385:810-813, 1997
**	PW	Wolf et al., "Nuclear transfer in mammals: Recent developments and future perspectives," <i>Journal of Biotechnology</i> , 65:p.99-110 (1998)
	PX	Wong <i>et al.</i> , Sequence organisation and cytological localization of the minor satellite of mouse, <i>Nucl. Acids Res.</i> 16:11645-11661 (1988)
	PY	Woods <i>et al.</i> , "A Mule Cloned from Fetal Cells by Nuclear Transfer", <i>Scienceexpress published on line</i> , May 2003
	PZ	Worton <i>et al.</i> , Human Ribosomal RNA Genes: Orientation of the Tandem Array and Conservation of the 5' End, <i>Science</i> 239:64-68 (1988).
	QA	Wright <i>et al.</i> , High level expression of active human alpha-1-antitrypsin in the milk of transgenic sheep, <i>Bio/Technology</i> 9:830-834 (1991).

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Examiner Initial	Desig. ID	Document			
	QB	Yamada <i>et al.</i> , Multiple chromosomes carrying tumor suppressor activity for a uterine endometrial carcinoma cell line identified by microcell-mediated chromosome transfer, <i>Oncogene</i> 5:1141-1147 (1990)			
**	QC	Yanagimachi et al., "Cloning: Experience from the mouse and other animals," <i>Mol. Cel.. Endocrin.</i> 187:241-248 (2002)			
	QD	Yates <i>et al.</i> , A <i>cis</i> -acting element from the Epstein-Barr viral genome that permits stable replication of recombinant plasmids in latently infected cells, <i>Proc. Natl. Acad. Sci. USA</i> 81:3806-3810 (1984)			
	QE	Yates <i>et al.</i> , Stable replication of plasmids derived from Epstein-Barr virus in various mammalian cells, <i>Nature</i> 313:812-815 (1985)			
	QF	Yeung <i>et al.</i> , Human CD4-major histocompatibility complex class II (Dqw6) transgenic mice in an endogenous CD4/CD8-deficient background: reconstitution of phenotype and humano-restricted function, <i>J. Exp. Med.</i> 180:1911-1920 (1994)			
	QG	Yoon, <i>et al.</i> , Mapping of replication initiation sites in human ribosomal DNA by Nascent-Strand abundance analysis, <i>Mol. Cell. Bio.</i> , p. 2482-2489, May 1995			
	QH	Yurov, Collection of $\alpha$ -satellite DNA probes: Highly polymorphic markers for centromeric regions of all human chromosomes (A2298), <i>Cytogenet. Cell Genet.</i> 51:1114 (1989)			
	QI	Yurov, Identification and characterization of two distinct polymorphic $\alpha$ -satellite DNA sequences from centromeric regions of the chromosomes 13 and 21 (A2299), <i>Cytogenet. Cell Genet.</i> 51:1114 (1989)			
	QJ	Zakian, "Telomeres: Beginning to Understand the End", <i>Science</i> , 270:1601-1607 (1995)			
	QK	Zang, <i>et al.</i> , "Production of recombinant proteins in Chinese hamster ovary cells using a protein-free cell culture medium", <i>Bio/Technology</i> 13:389-392, (1995).			
	QL	Zemskova and Escher, IAP DNA sequences and mouse chromosome instability, Loma Linda University APC Conference, March, 1997			
	QM	Zhang, <i>et al.</i> , "T-Cell cytokine responses in human infection with Mycobacterium tuberculosis", <i>Infection and Immunity</i> , p. 3231-3234, (1995).			
	QN	Zhong <i>et al.</i> , "Zebrafish Genomic Library in Yeast Artificial Chromosomes", <i>Genomics</i> , 48:136-138 (1998)			

Examiner Signature	Date Considered
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